

Daily Debrief 7/21/2016

Next meeting(s):

Phone: 1-844-467-4685, Pass code: 532355#

Friday: 9:30 am – Weather Brief

Friday: Aircraft landing time + 30 minutes: Flight debrief and planning meeting (watch your email tomorrow afternoon for announcement of finalized time - **Daily Debrief**

Saturday: 3 pm – Weather Brief

Sunday: 5 pm – Weather Brief

Monday: 9:30 am – Weather Brief

General Information

- The number used to send text messages to the B200: 011881632648063
 - Iridium number for C-130: 757-821-2325
 - Note: Cleveland has a 30 nm radius temporary flight restriction up to 18000' due to republican convention until Jul 22.
 - Note: Democratic convention will have the same 30 nm radius TFR around Philly from July 25-29
 - On the date we depart for Lincoln we need to ask everyone to leave their vehicles in the auxiliary lot, the one on the other side of the bridge.
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Schedule – C-130 – Friday, July 22, 2016

- 7 am – Mechanical Techs arrive
 - 7:30 am – Power on plane
 - 8:30 am – Fueling (estimate)
 - 10 am –MFLI warm up start
 - 11:30 am Doors Close
 - LM – Notify science 3-5 minutes prior to switch over to APU from carts
 - 12 pm Takeoff (C-130 only), B200: 11:15 am
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Outlook Table

Date	Weather	Flight plan / take off time	Comments
Friday, 22 July	H pressure, light winds	Fair weather pattern	Planned 12 pm (C-130) / 11:15 (B200) departure time <hr/> C130: 4.7 hours, B200: 2.5 hours
Saturday, 23 July	Weather Brief: 3 pm	No Flight	

Sunday, 24 July	Weather Brief: 5 pm	Hard Down Day	
Monday, 25 July			
Tuesday, 26 July			
Wednesday, 27 July		Possible OCO-2 flight?	
Thursday, 28 July			Possible day for loading shipping truck at Wallops
Friday, 29 July			Possible day for loading shipping truck at Langley
Saturday, 30 July		Possible OCO-2 flight?	
Sunday, 31 July			
Monday, 1 August			Transit day to Lincoln

Note: B200: 12 hr. day
C130: 16 hr. day

C-130 Report for 7/21/2016

- Plane took off on time
 - Pattern good, data looks good
 - No issues with plane
 - Water Vapor Measurement issue – continued to be worked, suspect a leak, plan to test on Saturday outside
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B-200 Report for 7/121/2016

- Continued issue – discovered a bad ground wire – was shorting out the control unit at the generator, had to replace the ECU – considered closed
 - Took off at 3:11, landed 6:14
 - May have a GPS issue – if determined to be so, will be debugged in the morning
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Weather Brief – A.J. Deng

The Wx Nowcast briefing file is located on the Google Drive Link:

Folder NAME: Weather_Outlook_Summer2016

<https://drive.google.com/folderview?id=0B9cGPcwIS9gcOTFYUXZ4X0gxTXc&usp=sharing>

Filename:

20160721_1750_weather_briefing.pptx

Similar PDF has been also uploaded on LaRC site:

Link:

<http://www-air.larc.nasa.gov/missions/ACT-America/reports.2016/index.html>

Please look for "Forecast" column under 'Daily Reports'.

Filename: 2016-07-21_Forecast_20160721_1750_weather_briefing

Roles & Responsibilities:

Science POC Responsibilities (Ken: Office: 814-863-8601/Cell: 814-206-4133 or designee):

- Provide interim and final flight plans to pilots in time to meet FAA 72-hour deadline
- Communicate takeoff time for both aircraft to aircraft POCs
- Upload science report for each flight to archival website
- Coordinate with OCO-2 science team to finalize satellite viewing tracks and to notify OCO-2 team to avoid target mode during our underflight days

C-130 POC Responsibilities (Linda: Office: 757-824-1072/Cell: 757-894-7831 up to transit flight takeoff on August 1; Cate: Office: 747-824-1525/Cell: 443-614-0668 after transit flight takeoff August 1):

- Get takeoff time decision from science POC
- Define and coordinate aircraft timeline (fueling, doors open and cooling available to research teams for instrument warmup, doors closed time)
- Communicate daily flight schedule to aircraft maintenance personnel and all personnel on flight manifest
- Report to science POC on all updates concerning the aircraft, including mechanical updates
- Ensure proper cooling and ground power for aircraft
- Provide flight manifest to pilots
- Upload daily aircraft report for archival website
- Track aircraft flight hours and keep running total in flight report (including wheels up/down time for data analysis)

B200 POC Responsibilities (Mike Wusk: Office: 757-864-3837/Cell: 757-810-8295):

- Same as above except for B200

Instrument team POCs:

- Provide instrument operator names to each aircraft manifest by noon on day preceding flight
- Upload instrument quick look reports for each flight to archival website

- Report daily instrument status to aircraft POCs

Any issues encountered the day of flight shall be reported to Ken Davis or Designee

EOM